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CLIC2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21857c

Product Information

Application	WB, E
Primary Accession	O15247
Other Accession	Q5M883
Reactivity	Human, Rat
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54003
Calculated MW	28356

Additional Information

Gene ID	1193
Other Names	Chloride intracellular channel protein 2, XAP121, CLIC2
Target/Specificity	This CLIC2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 105-137 amino acids from the Central region of human CLIC2.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CLIC2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLIC2 {ECO:0000303|PubMed:9339381, ECO:0000312|HGNC:HGNC:2063}
Function	In the soluble state, catalyzes glutaredoxin-like thiol disulfide exchange reactions with reduced glutathione as electron donor. Displays weak glutathione peroxidase activity (Probable) (PubMed:25581026). Can insert into membranes and form chloride ion channels. Membrane insertion seems to

	be redox-regulated and may occur only under oxidizing conditions. Modulates the activity of RYR2 and inhibits calcium influx.
Cellular Location	Cytoplasm. Membrane; Single-pass membrane protein. Note=Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain
Tissue Location	Expressed in adult and fetal brain, heart, skeletal muscle, liver, lung, and spleen. Detected in adult stomach and testis Expressed in fetal thymus and kidney.

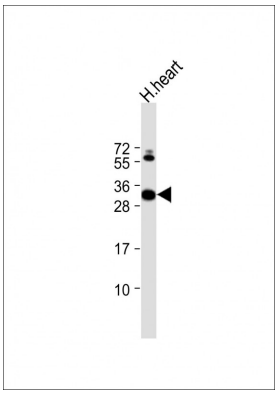
Background

Can insert into membranes and form chloride ion channels. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. Modulates the activity of RYR2 and inhibits calcium influx.

References

Heiss N.S.,et al.Genomics 45:224-228(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Fan L.,et al.FEBS Lett. 540:77-80(2003).

Images



Anti-CLIC2 Antibody (Center) at 1:2000 dilution + human heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.